

2016 Commercial Price List

ITS33S COHERENT RECEIVER SYSTEM



The **ITS33S** is a smaller and lighter version of the ITS30S three-band Receiver. It is shown here in the 'as delivered' configuration, that is, without the computer monitor or antenna ground screen, which are supplied by the user. The ITS30S series of receivers are descended from the ITS10S receiver originally developed in 1994 by NorthWest Research Associates. This model was specifically developed to receive the three-frequency CERTO class beacons as well as all of the present two-frequency beacons. The ITS33S Coherent Receiver System is used for ionospheric research and is designed to measure ionospheric effects on signal phase and intensity from satellite beacons operating at 150, 400 and 1066.67 MHz (nominal).

Frequency coverage is approximately from -220 to +110 ppm, allowing coverage of the NIMS (OSCAR) satellites on both Operational and Maintenance frequencies, and the Geodetic and CERTO beacons operating at +80 ppm. This range also covers two of the Russian NavSat frequencies, 0 and -200 ppm.

The ITS33S is made to order, and so cost and time-savings can be realized if multiple units are ordered at the same time. **ITS33S** prices are as follows, and include Receiver, Antenna, Computer*, Cables & Software.

Quantity	Price (per unit)
1	\$21,800
2	\$20,600
3	\$19,600
4	\$17,400

*The receiver is operated through an associated Windows-based desktop PC. As an option, a Laptop computer can be substituted for the desktop for an additional \$500 per unit.

Contact: Frank Smith
NorthWest Research Engineering, LLC
10522 Lake City Way NE #C-201
Seattle WA 98125
(206) 300 5752
frank@nwra.com